

DECLARATION

As a below and named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: PARALLEL FIXED BED REACTOR AND FLUID CONTACTING APPARATUS AND METHOD the specification of which _ is attached hereto or X was filed on June 9, 1998 as Application No. 09/093,870.

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119
			Yes____ No____
			Yes____ No____

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

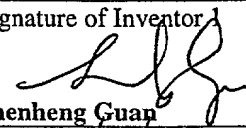
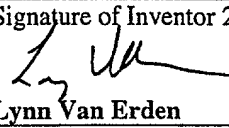
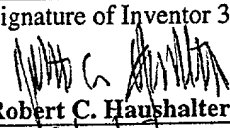
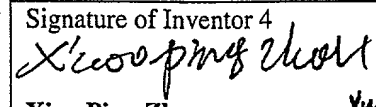
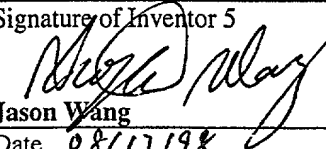
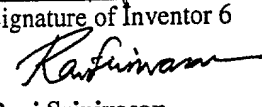
Application No.	Date of Filing	Status
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		<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned

Power of Attorney: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Eric M. Dobrusin (Reg. No. 33,867)
Joseph V. Coppola (Reg. No. 33,373)
Matthew J. Russo (Reg. No. 41,282)
Ronald A. Krasnow (Reg. No. 33,321)

Full Name of Inventor 1	Last Name Guan	First Name Shenheng	Middle Name or Initial	
Residence & Citizenship	City San Jose	State/Foreign Country California	Country of Citizenship Peoples Republic of China	
Post Office Address	Post Office Address 1512 Fairway Green Circle	City San Jose	State/Country California	Zip Code 95131
Full Name of Inventor 2	Last Name Van Erden	First Name Lynn	Middle Name or Initial	
Residence & Citizenship	City Livermore	State/Foreign Country California	Country of Citizenship USA	
Post Office Address	Post Office Address 1261 Bordeaux Street	City Livermore	State/Country California	Zip Code 94550
Full Name of Inventor 3	Last Name Haushalter	First Name Robert	Middle Name or Initial C.	
Residence & Citizenship	City Los Gatos	State/Foreign Country California	Country of Citizenship USA	
Post Office Address	Post Office Address 25259 Terrace Grove	City Los Gatos	State/Country California	Zip Code 95033
Full Name of Inventor 4	Last Name Zhou	First Name Xiao	Middle Name or Initial Ping	
Residence & Citizenship	City Sunnyvale	State/Foreign Country California	Country of Citizenship Peoples Republic of China	
Post Office Address	Post Office Address 1249 Coronado Drive #5	City Sunnyvale	State/Country California	Zip Code 94086
Full Name of Inventor 5	Last Name Wang	First Name Jason Xuejun	Middle Name or Initial JASON	
Residence & Citizenship	City Sunnyvale	State/Foreign Country California	Country of Citizenship Peoples Republic of China	
Post Office Address	Post Office Address 1255 Coronado Drive #6	City Sunnyvale	State/Country California	Zip Code 94086
Full Name of Inventor 6	Last Name Srinivasan	First Name Ravi	Middle Name or Initial	
Residence & Citizenship	City Mountain View	State/Foreign Country California	Country of Citizenship India	
Post Office Address	Post Office Address 1600 Villa Street #310	City Mountain View	State/Country California	Zip Code 94041

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1  Shenheng Guan Date 8/18/98	Signature of Inventor 2  Lynn Van Erden Date 8-21-98	Signature of Inventor 3  Robert C. Haushalter Date 8/21/98
Signature of Inventor 4  Xiao Ping Zhou Date 08/17/98	Signature of Inventor 5  Jason Wang Date 08/17/98	Signature of Inventor 6  Ravi Srinivasan Date 17 Aug. 1998

R0034366

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Shenheng Guan of San Jose, California; Lynn Van Erden of Livermore, California, Robert Haushalter of Los Gatos, California; Xiao Ping Zhou of Sunnyvale, California; Xuejun Jason Wang of Fremont, California; and Ravi Srinivasan of Mountain View, California, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below identified application for United States Letter Patent:

Title of Invention:

PARALLEL FIXED BED REACTOR AND FLUID CONTACTING APPARATUS AND METHOD

Filing Date: June 29, 2000 Application No.: 09/607,535; and

WHEREAS, Symyx Technologies, Inc., a Delaware corporation, located at 3100 Central Expressway, Santa Clara, California 95051, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application, and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date: 7/18/2000

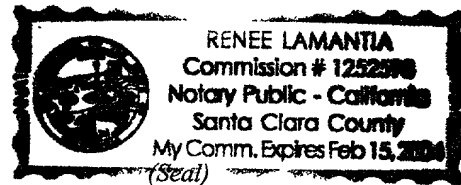
Shenheng Guan
Shenheng Guan

STATE OF California
COUNTY OF Santa Clara

On 7/18/00, before me, Renee Lamantia, Notary Public, personally appeared Shenheng Guan, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

Signature Renee Lamantia



Date: 7-18-00

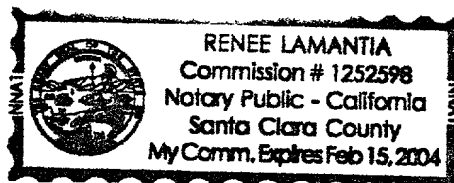
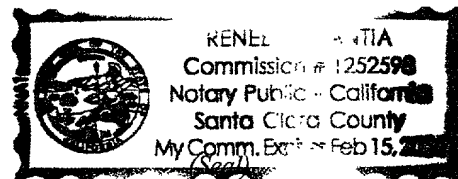
Lynn Van Erden
Lynn Van Erden

STATE OF California
COUNTY OF Santa Clara

On 7/18/00, before me, Renee Lamantia, Notary Public, personally appeared Lynn Van Erden, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

Signature Renee Lamantia



2000 SEP 14 09:45 AM

Date: 3 AUGUST 2001

Robert C. Haushalter
Robert C. Haushalter

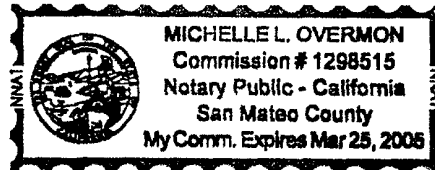
STATE OF California
COUNTY OF San Mateo

On August 03, 2001, before me, Michelle L. Overmon, Notary Public, personally appeared Robert C. Haushalter, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person~~s~~ whose name~~s~~ is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity~~(ies)~~, and that by his/her/their signature~~s~~ on the instrument the person~~s~~, or the entity upon behalf of which the person~~s~~ acted, executed the instrument.

WITNESS my hand and official seal

Signature Michelle L. Overmon

(Seal)



20071546-020802

Date: 07/25/2000

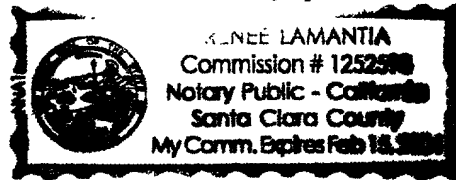
Xiao Ping Zhou
Xiao Ping Zhou

STATE OF California
COUNTY OF Santa Clara

On 7/25/00, before me, Renee Lamantia, Notary Public, personally appeared Xiao Ping Zhou, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

Signature Renee Lamantia



(Seal)

Date: 07/20/2000

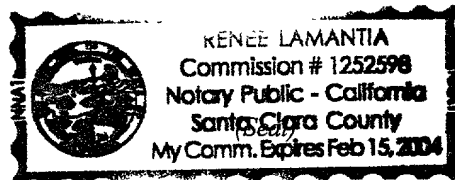
Xuejun Jason Wang
Xuejun Jason Wang

STATE OF California
COUNTY OF Santa Clara

On 7/20/00, before me, Renee Lamantia, Notary Public, personally appeared Xuejun Jason Wang, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

Signature Renee Lamantia



Date: 7/18/00

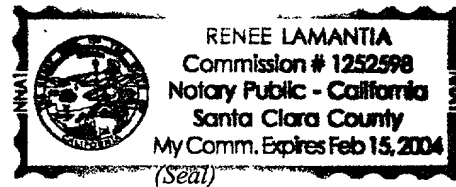
Ravi Srinivasan
Ravi Srinivasan

STATE OF California
COUNTY OF Santa Clara

On 7/18/00, before me, Renee Lamantia, Notary Public, personally appeared Ravi Srinivasan, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

Signature Renee Lamantia



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